

Applicant: Gazda et al.
Application No.: 10/648,663

REMARKS/ARGUMENTS

Claims 1-9 are currently pending in this application. The Examiner has rejected claims 1-9. In the specification, the Examiner has objected to the use of registered trademarks without capitalization in the specification. The Examiner has also requested a copy of the TELELOGIC TAU C-MICRO compiler.

The Applicants have canceled claims 1-4 without prejudice and reserve the right to prosecute the canceled claims in a continuation application, divisional application or other filing. Claims 5, 6, and 8 have been amended to more distinctly claim subject matter which the Applicants regard as the invention. The specification has been amended in accordance with the Examiner's requirements. The Applicants submit that no new matter has been introduced into the application by these amendments, and all claim amendments are fully supported in the specification.

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Objections to the Specification

The Examiner objected to the specification because terms that are registered trademarks are not capitalized. In particular, the Examiner objected to the lack of capitalization for "Telelogic Tau C-Micro." The relevant paragraphs of the specification have been amended to include capitalization. The withdrawal of the objection to the specification is respectfully requested.

Requirement For Information – 37 CFR §1.105

The Examiner requested documentation relating to the Telelogic Tau C-Micro compiler. The Applicants state that the item cannot be readily obtained and provided. Accordingly, the Applicants respectfully request the Examiner accept this statement as a complete response to the requirement for this item.

Claim Rejections - 35 U.S.C. §101

Claims 1-9 stand rejected under 35 U.S.C. §101 as being directed to non-statutory subject matter.

The Applicants' have canceled claims 1-4, and have amended claims 5, 6, and 8. In particular, claims 5 and 6 are amended to more particularly and distinctly point out the subject matter that the Applicants regard as the invention. It is respectfully submitted that the present claims, 5-9 are directed to statutory subject

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matter. The withdrawal of the 35 U.S.C. §101 rejection is therefore respectfully requested.

Claim Rejections – 35 U.S.C. §102

The Examiner rejected claims 1, 2, and 3 under 35 U.S.C. §102(e) as being anticipated by Schuetz et al. (US Reference No. 6,725,451).

The Applicants' have canceled claims 1, 2, and 3 without prejudice. Accordingly, the Applicants' respectfully request withdrawal of the Examiner's 35 U.S.C. §102 rejection.

Claim Rejections – 35 U.S.C. §103

Claim 4

The Examiner rejected claim 4 under 35 U.S.C. §103(a) as being unpatentable over Schuetz et al. in view of the knowledge of a consumer choice of equivalent products.

The Applicants' have canceled claim 4 without prejudice. Accordingly, the Applicants' respectfully request withdrawal of the Examiner's 35 U.S.C. §103 rejection as it relates to claim 4.

Claims 5-9

The Examiner rejected claims 5-9 as being unpatentable over Woolsey et al. (US Reference No. 6,029,000) in view of Schuetz et al., and claim 8 further in view of the knowledge of a consumer choice of equivalent products.

The Schuetz reference discloses a method for converting a system call for an origin operating system into a system call for a destination operating system. There is no disclosure, teaching, or suggestion of an "operating system being configured to receive variables from a single thread in a single threaded operating environment, port the received variables via a porting layer for use in a multiple threaded environment" or "wherein the porting the received variables into the multiple threaded operating environment is performed by reference such that each of an independent thread can access variables by reference without stopping on another independent thread's variable".

The Woolsey reference discloses a wireless data platform having a plurality of processors. Channels of communication are set up between processors so that they may communicate information as tasks are performed. However, there is no disclosure, teaching, or suggestion in the Woolsey reference of an "operating system being configured to receive variables from a single thread in a single threaded operating environment, port the received variables via a porting layer for use in a multiple threaded environment" or "wherein the porting the received variables into

the multiple threaded operating environment is performed by reference such that each of an independent thread can access variables by reference without stopping on another independent thread's variable". Therefore, the Woolsey reference fails to cure the lack of teaching of the Schuetz reference.

On the other hand, the Applicants claimed invention, as claimed in amended independent claim 5 recites:

A wireless communication device comprising:
a system processor;
a communication processor;
a communication module, in communication with the system processor and the communication processor to facilitate communication between the system processor and the communication processor; and
a shared memory associated with the communication module;
wherein the system processor and communication processor each include an associated operating system, the operating system being configured to receive variables from a single thread in a single threaded operating environment, port the received variables via a porting layer for use in a multiple threaded environment wherein the porting in the received variables into the multiple threaded operating environment is performed by reference such that each of an independent thread can access variables by reference without stopping on another independent thread's variable.

which is not disclosed, taught, or suggested anywhere in the Schuetz or Woolsey references.

Accordingly, the Applicants' amended independent claim 5 is patentable over the Schuetz and Woolsey references, whether taken alone or in combination with one another.

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Claims 6-9 depend, either directly or indirectly, from the Applicants' patentable independent claim 5 and are therefore patentable for at least the same reasons as patentable amended independent claim 5.

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Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application, including claims 5-9, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Gazda et al.

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Enclosure